Table VI. Oftentimes difficulty is experienced in assembling the bushings on account of not having ullowed the proper amount of stock for fitting.

Plate Bushing Holders for Multiple Drilling. When a number of holes are to be drilled and rvunnnl on a multiple-spindle machine, the most simple method is to place the piece in a suitable jig and use individual slip bushing so that after the holes are drilled the bushings ran In-replaced \viih reamer-

Table VI. Allowances for Driving Fit for Drill **Bushings**

Outside	Allovvumv	hut-tr	Nll.,?m<'	^^
Diameter, Inches	Drive Fit, i Inch j	lm'h,s'	; "V^!"' ; = ^'huh"'	**' ^
3/16	o.oor	7. «S	! 0 0. 'i '; i >t »^>. '^	s » S
7/16 1/2	0.00.1 0.00.1 0.00.1	I If» I K	f» r' -i • • i t> r • i r « > n	'»
n'/i6 3/4 13/16	0.0015 0.0015 1 0.0015	,<'ir» •	* \$. i it. ,. * ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	∩ * '* <u>i</u> ; ^ 4
	1	. !	•	il

size bushings, the jig moved under the reamers, and the holes machined. The loss of time in handling these slip bushings is so great that the production eosts itierease verv rapidly, especially when the operator has to stop to pry up bushings with a screwdriver or some other tool, us is often the rase. This style of bushing will frequently catch the drilling or reaming tool and turn with it, thus wearing I lit* hushing plate. To prevent its turning, the groove-cut bushing is sometimes used, This consists of an ordinary slip bushing in which a. slot is cut spirally around onequarter of the outer periphery. This slot engages a pin in the bushing plale» HO that, when the bushing starts to slip, the pin prevents hs making a full turn. A modification of this method was described in connection with Fig, 12, One source of trouble from individual slip bushings is the accumulation of chips, which must be carefully removed before the bushings are changed; another is the* possibility of inter-